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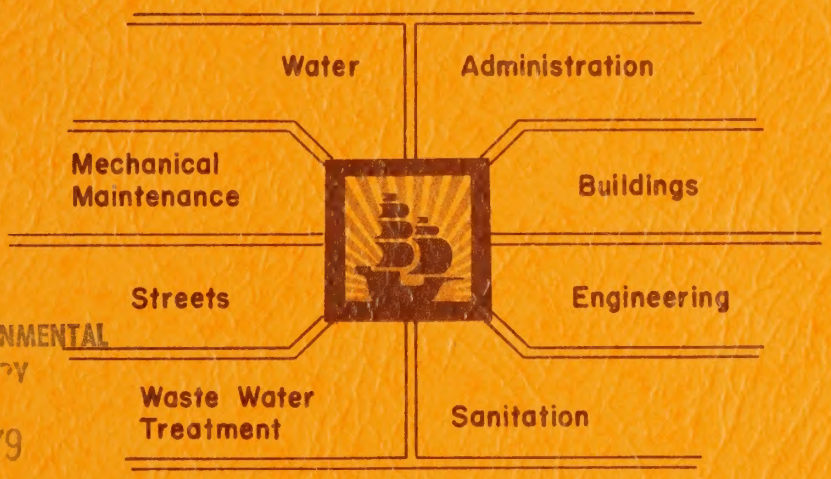
1978-1979

# Department of
# Public Works

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# 1978-79
# Annual Report

## City of Santa Maria

CITY OF SANTA MARIA • 110 EAST COOK STREET • SANTA MARIA, CALIFORNIA 93454 • 805-925-0951

Public Works Department

October 1, 1979

Mr. Robert F. Grogan
City Administrator
City of Santa Maria
110 East Cook Street
Santa Maria, CA 93454

Dear Bob:

It is with a great deal of pleasure that this fiscal year report for 1978-79, which is the ninth in a continuing series of this type, is transmitted. Contained in this report for recordation are the significant departmental activities which have occurred during this time period.

We have attempted to include in this report material of statistical and historical value, as well as information of personal interest.

It is appropriate here to express our gratitude to the rest of the City staff for the cooperation and assistance which contributed to our departmental accomplishments. We are even more grateful for the sympathy and understanding that was received for our failures. We look forward to the continuing opportunity to make a contribution toward the total City government's service to its community.

Very truly yours,

Reese N. Riddiough

REESE N. RIDDIOUGH
Director of Public Works

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1978/1979

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## CITY COUNCIL

| | |
|---|---|
| Elwin E. Mussell | Mayor |
| Jack Adam | Mayor Pro Tempore |
| George Hobbs, Jr. | Councilman |
| Allen Burke | Councilman |
| Toru Miyoshi | Councilman |

## ELECTED OFFICIALS

| | |
|---|---|
| Dorothy S. Lyman | City Clerk |
| William W. Winter | Treasurer |

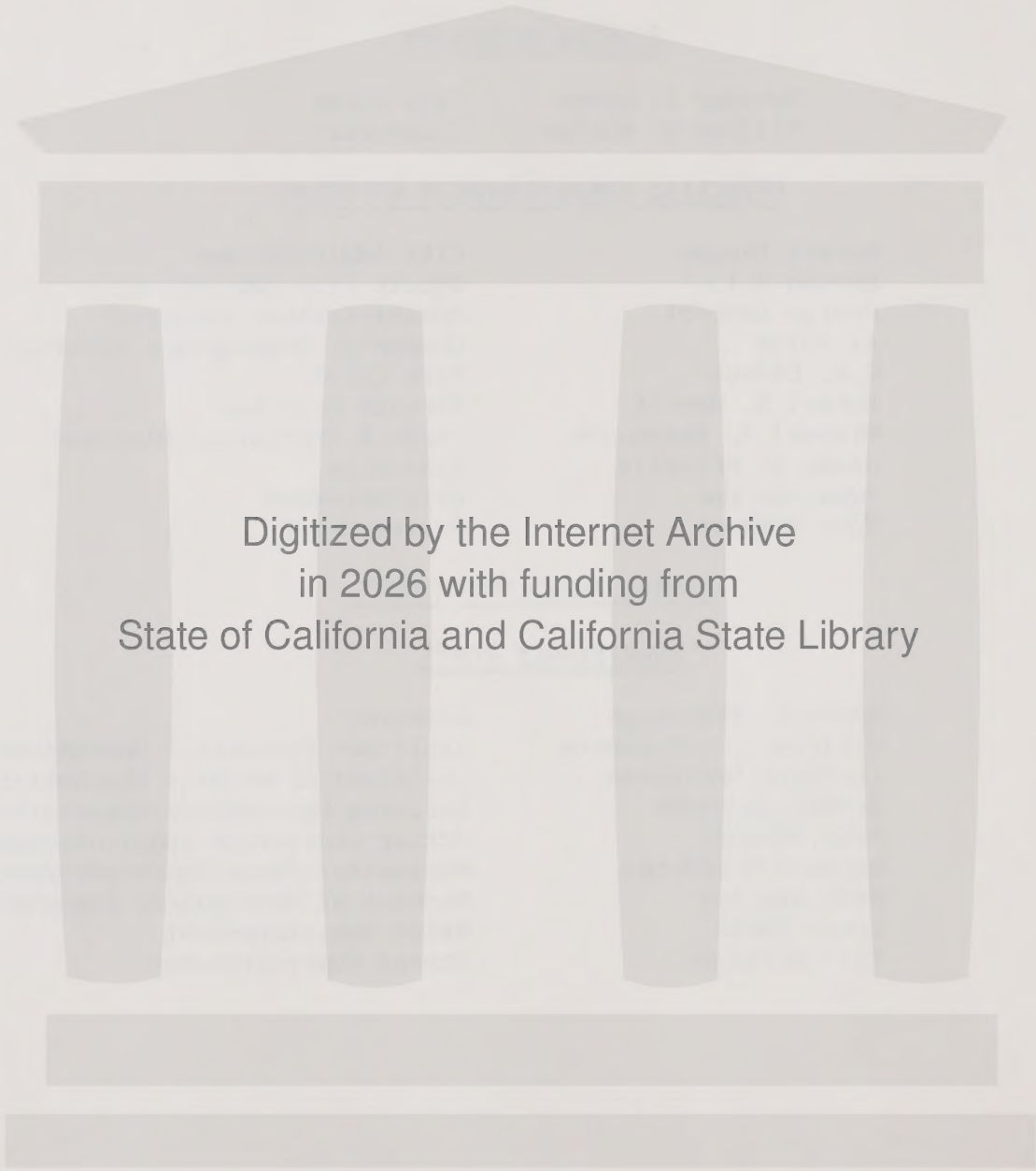
## PRINCIPAL ADMINISTRATIVE OFFICERS

| | |
|---|---|
| Robert Grogan | City Administrator |
| Gordon Gill | Deputy City Administrator |
| George Lambert | Administrative Assistant |
| Al Autry | Community Development Director |
| C.W. Crakes | Fire Chief |
| Robert S. Hossli | Finance Director |
| Michael A. Maramonte | Parks & Recreation Director |
| James A. Petrella | Librarian |
| John Van Ryn | City Attorney |
| Tony Anthony | Police Chief |

## PUBLIC WORKS DEPARTMENT

### Supervisory Staff

| | |
|---|---|
| Reese N. Riddiough | Director |
| William S. Litzenberg | Assistant Director - Operations |
| Lawrence McPherson | Assistant Director - Engineering |
| Norman Anderson | Building Maintenance Superintendent |
| Pete Miranda | Acting Sanitation Superintendent |
| Bennett Middleton | Wastewater Plant Superintendent |
| Hank Ramirez | Mechanical Maintenance Superintendent |
| Jesse Smith | Water Superintendent |
| Bill Williams | Street Superintendent |



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- Water

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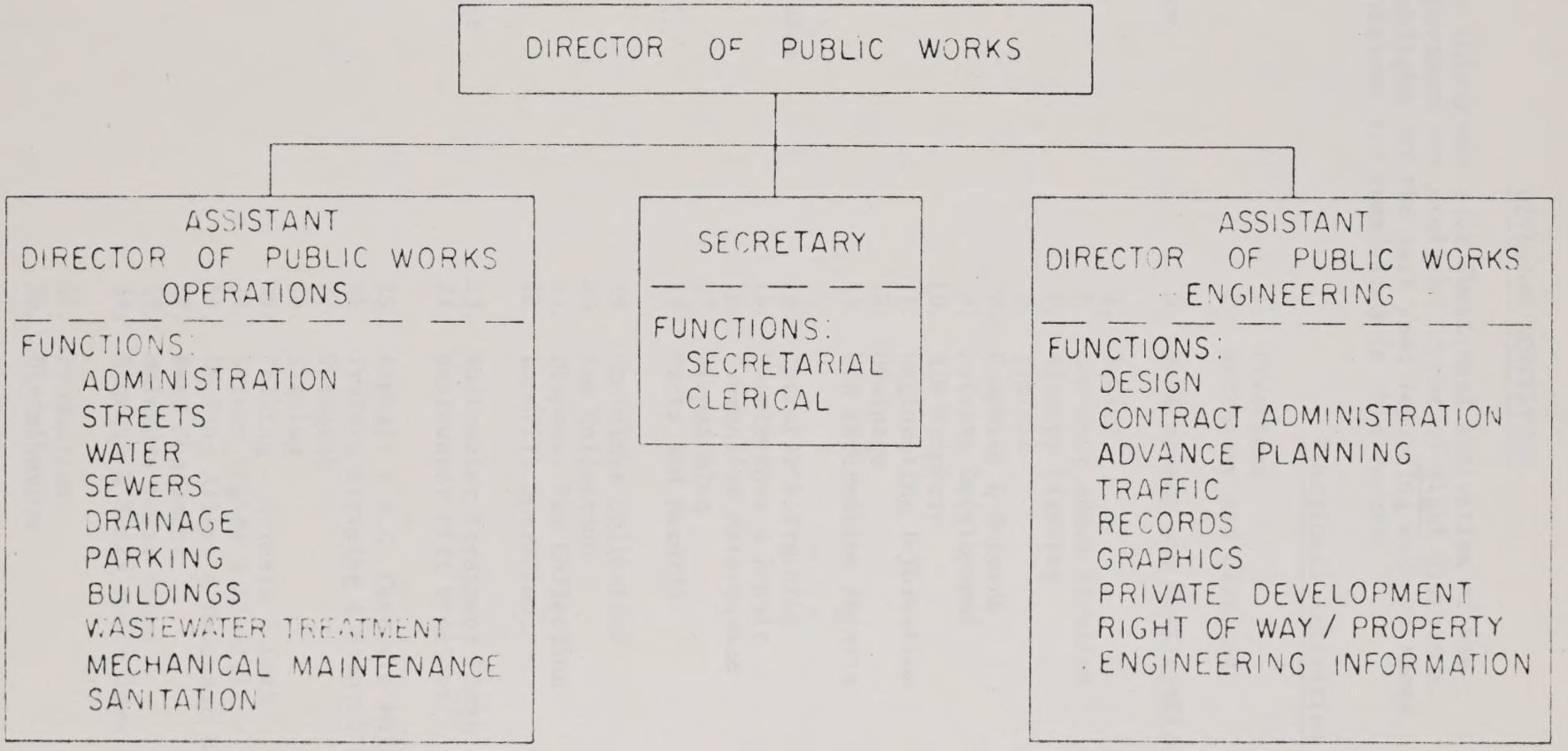
Finances

Personnel Notes

Employee Roster

# CITY OF SANTA MARIA
# DEPARTMENT OF PUBLIC WORKS
# ORGANIZATION

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## DIVISION ACTIVITIES

The thirty-six (36) functional activities of the department are assigned to one of eight divisions. Highlights of the past year regarding each of these divisions are summarized in this report.

| Division | Functional Activities |
|---|---|
| Administration | 1. Directors |
| | 2. Secretary and Clerical |
| Building Maintenance | 3. Maintenance and Modification |
| Engineering | 4. Design |
| | 5. Contract Administration |
| | 6. Advance Planning |
| | 7. Traffic |
| | 8. Graphics & Records |
| | 9. Private Development |
| | 10. R/W Property |
| | 11. Engineering Information |
| | 12. Drainage |
| | 13. EIR Information Reports |
| Mechanical Maintenance | 14. Operator's Training |
| | 15. Maintenance & Repair |
| | 16. Preventive Maintenance |
| | 17. Dispatching |
| | 18. Parts and Records |
| Sanitation | 19. Container Collection |
| | 20. Can Collection |
| | 21. Disposal Fee Collection |
| | 22. Landfill Operation |
| Wastewater Treatment | 23. Wastewater Treatment Plant |
| | 24. Wastewater Lift Stations |
| Streets | 25. Asphalt & P.C. Concrete Maint. & Repair |
| | 26. Traffic Striping & Stencil Painting |
| | 27. Sweeping |
| | 28. Signing |
| | 29. Parking - Streets & Lots |
| | 30. Street Lights & Electric |
| | 31. Grading Alleys & Drainage Ditches |
| | 32. Weed Abatement |
| | 33. Maintain Sewer Lines |
| | 34. Stowell & Santa Maria Town Centers |
| Water | 35. Production |
| | 36. Distribution |

## ADMINISTRATION

This division is responsible for administrative and clerical support of all activities of the department, including coordination of program planning, budget preparation and control, personnel, supervisory training, administrative reports, maintenance of engineering records and investigation of complaints.

Administratively, the department processed, through the promotional procedure, two (2) C.E.T.A. (Comprehensive Employment & Training Act) individuals. This was in addition to numerous part time employees who were processed to work for the various divisions as noted under Personnel Notes.

The Public Works Department over the past year issued 113 Street Encroachment Permit Applications for concrete work totaling $1,695.00. This money is held only as a deposit and is returned to the applicant upon satisfactory completion of the work and approval by the City. Only four permits were forfeited to the City in the amount of $60.00.

During fiscal year 1978-79, the Public Works Department issued 29 Street Encroachment Permit Applications for excavation work totaling $1,417.25. The City no longer patches these excavations. Consequently, $1,417.25 has been returned to the permittees for the satisfactory patching of excavations that were completed and approved by the City; none were forfeited.

# ADMINISTRATION DIVISION

## CITY OF SANTA MARIA

## DEPARTMENT OF PUBLIC WORKS

## ORGANIZATION CHART

**DIRECTOR OF PUBLIC WORKS (1)**
REESE RIDDIOUGH

**ASSISTANT DIRECTOR-OPERATIONS (1)**
BILL LITZENBERG

**SECRETARIAL AND CLERICAL SERVICES**

SECRETARY II (1)
KATHY ALBRIGHT

STENO CLERK II (1)
WENDY HOLLING

CLERK TYPIST I
* BETTY HOGAN

* CETA

## BUILDING MAINTENANCE DIVISION

The Building Maintenance Division has the responsibility for maintenance and modification of Public Works Center, City Hall, Library, Police Station, the Broadway/McClelland moduals and advisory and modification work responsibility on the Recreation and Parks units and Fire Department Stations. These tasks involve all functions in the operation and upkeep of City buildings within the realm of skills and capabilities of this division.

The tasks completed the last fiscal year totaled--materials and contract service $33,939.57 of which $18,744.05 was contract services; with 12,458 manhours of which 3,915 hours were C.E.T.A., 248 hours work aides, 823 hours Neighborhood Youth Corps and 2,179.5 hours permanent part time.

Highlights of jobs completed for fiscal year 1978-79 were as follows:

1) Painting exterior of Senior Citizens complex.

2) New shelving in Finance vault.

3) Renovation and painting of windbreak and dressing rooms at Paul Nelson Pool.

4) Replacement of florescent fixtures in Data Processing.

5) Replacement of hot and cold water system in Simas Building.

6) Painting interior of Los Alamos Branch Library.

7) Renovated fresh and exhausted air control system in basement of City Hall.

# BUILDING MAINTENANCE ACTIVITY REPORT

## 1978 - 1979

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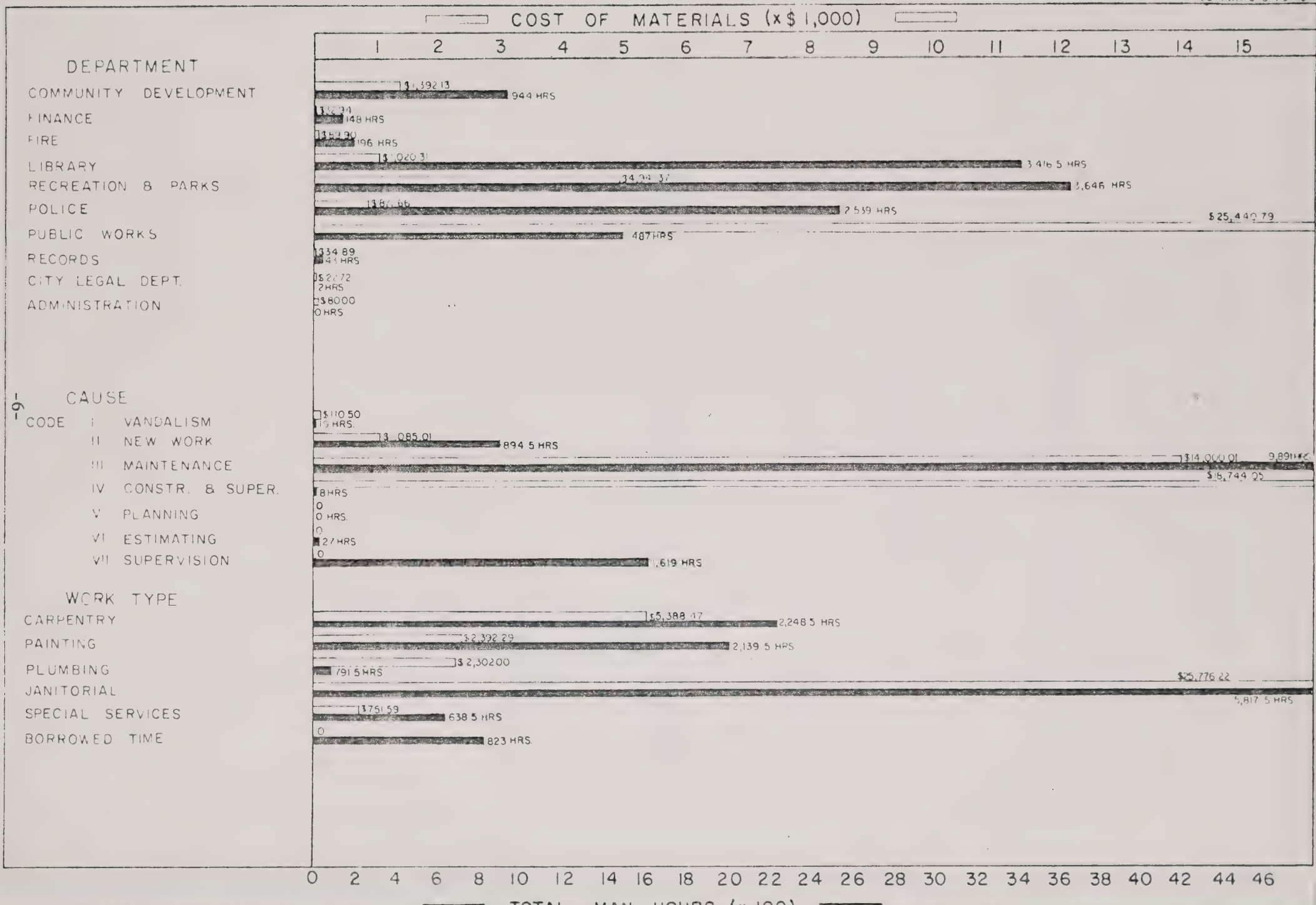

# BUILDINGS DIVISION

## CITY OF SANTA MARIA

## DEPARTMENT OF PUBLIC WORKS

## ORGANIZATION CHART

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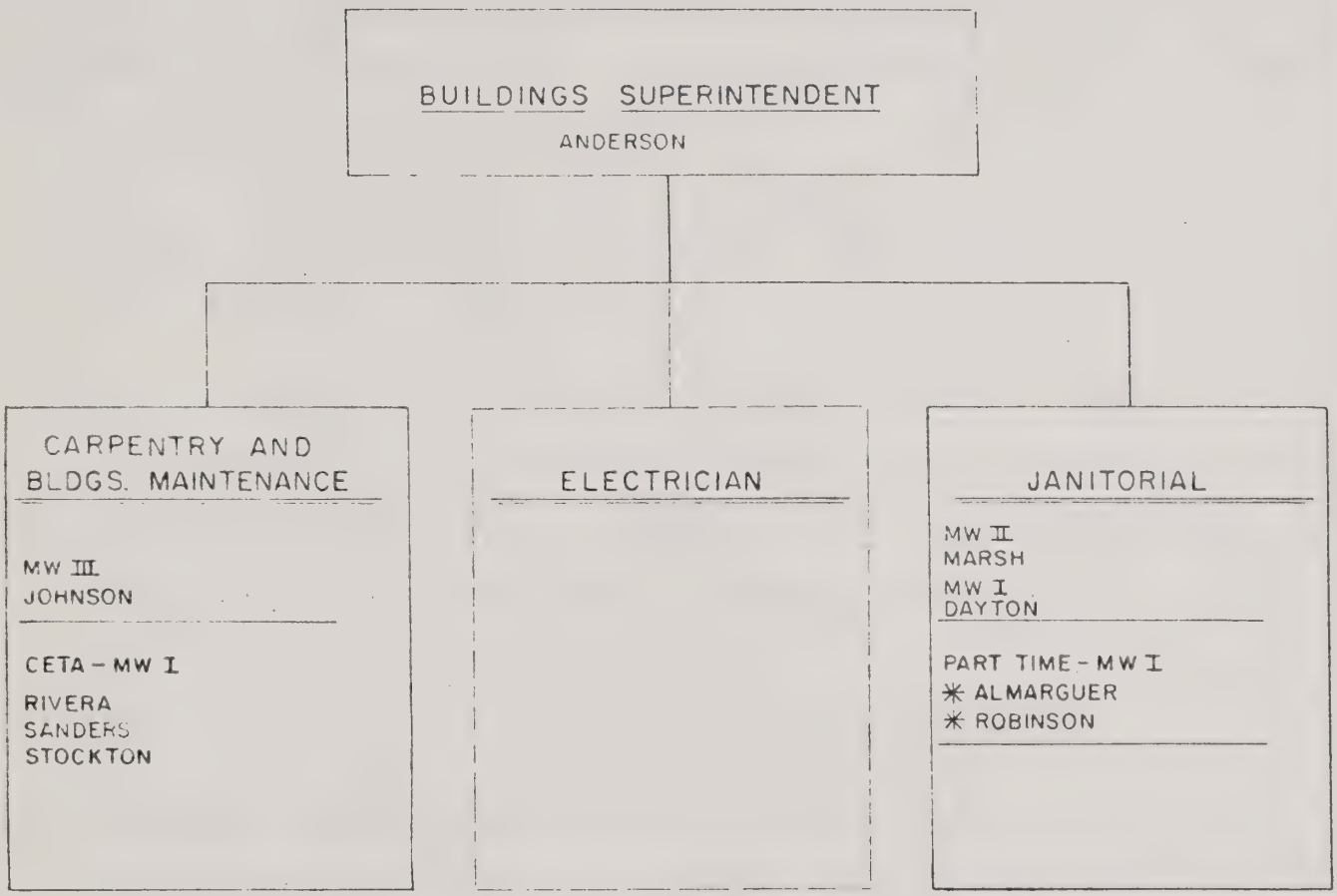


* FULL PART TIME



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## ENGINEERING DIVISION

This year's activity has centered around the construction of the new 7 million gallon water reservoir as well as the gymnasium-community center at Adam Park. As in years before, private development has remained at record levels.

Design was substantially completed on the wastewater treatment plant expansion. This major project will take approximately a year and one-half for completion of construction.

Personnel complement for this division, as shown on Plate 1, remains the same as last year.

Traffic studies were completed on the Main/101 Freeway Interchange and the recommendations were incorporated into the updated Circulation Element of the General Plan. Studies of South Broadway traffic conditions were implemented with preliminary notices requesting input from the property owners between Stowell and Cook.

Plate 2 shows the major activities of this division, plus their respective approximate costs as a percentage of the total division salaries. Total includes regular salaries, overtime, and part time salaries. This total was $212,039 for the fiscal year 1978-79.

Total authorized budget for this division for 1978-79 was $291,010. The total expenditure was $288,900 or approximately 100% of the funds authorized.

Private development and subdivision activity, shown on Plate 2, include the following:

1. Building site reports for the permit application. 105

2. Subdivision reports for Subdivision Committee meetings. 35

3. Development Coordinating reports for Development Coordinating Meetings. 0

Traffic engineering and Traffic Committee activity shown on Plate 2 include the following:

1. Curb zone and parking investigation 21
2. Speed zone studies 4
3. Truck complaints 6
4. Intersection studies - traffic control 32
5. Traffic signal studies 2
6. Miscellaneous traffic controls 5
7. Traffic studies and reports 5
8. Annual traffic count summary
9. Downtown computer signal system maintenance
10. Broadway Study - Donovan to Fesler
    Cook to Stowell

Current engineering projects, shown on Plate 3, includes any project that has been in design and/or construction phase during the past year. These projects, prior to construction phase, had a set of drawings and specifications prepared or reviewed by this division.

Tabulated on Plate 3 are engineering projects on which construction was started and/or completed within the fiscal year. Included facts are the final contract cost, start of construction, completion of construction, and the percent of engineering cost for the entire project based on the final contract price.

As recorded by this office, rainfall for the 1977-78 season was 13.78 inches which is at the average of 13.66 inches for the City.

# ENGINEERING DIVISION

CITY OF SANTA MARIA

DEPARTMENT OF PUBLIC WORKS

# ORGANIZATION CHART

(EXISTING 1978-1979)

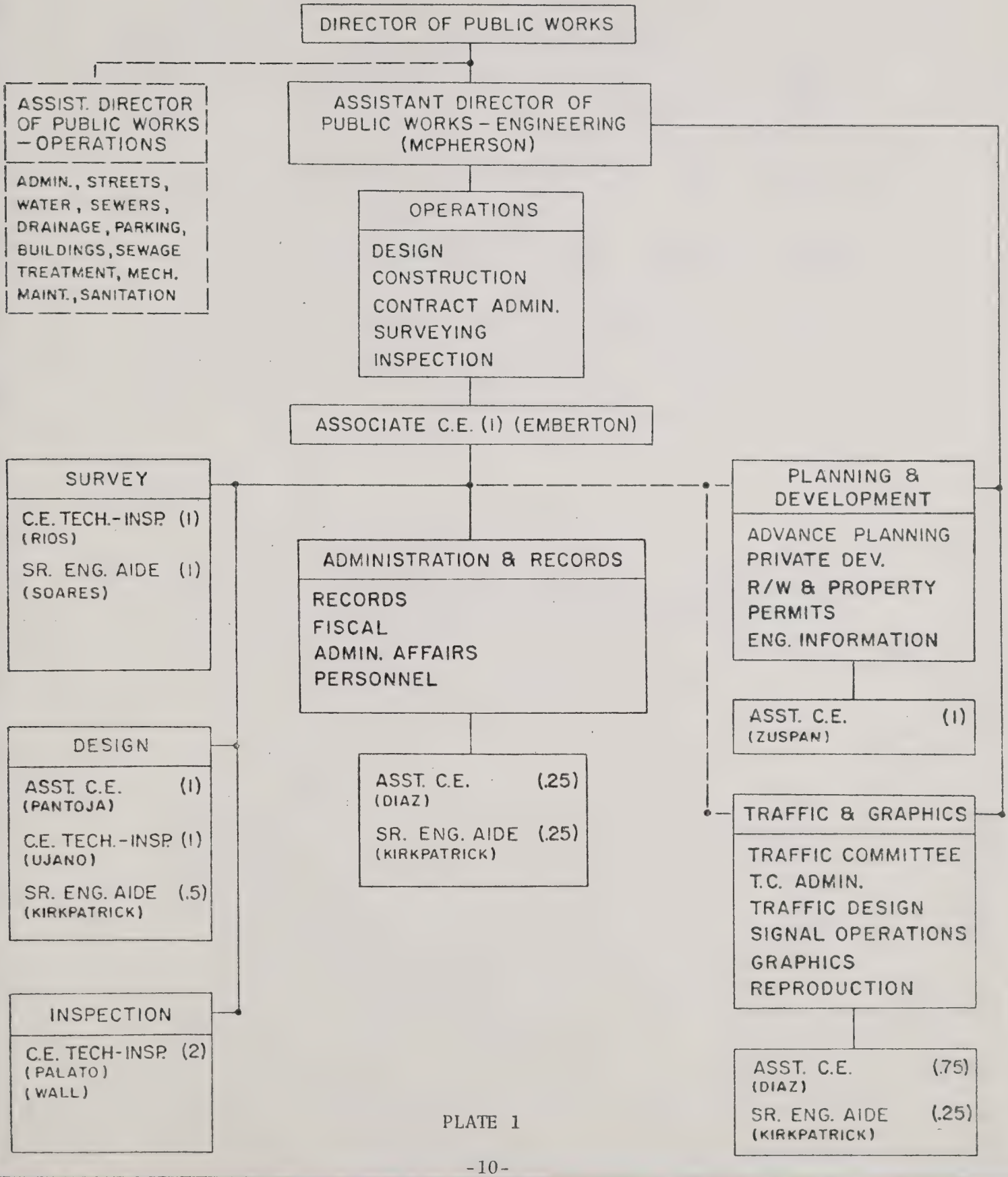



PLATE 1

## ENGINEERING DIVISION

Fiscal Year Salary Expenditure (1978-79)

| Percent* | Activity Classification |
|---|---|
| 27.02 | Private Development, Subdivisions, Public Inquiries |
| 25.78 | Current Engineering projects; design and construction |
| 15.08 | Non-productive (meetings, holidays, vacation, sick leave) |
| 9.35 | Information and records |
| 4.25 | Advance planning, annexations, engineering studies, underground distribution, microfilming |
| 7.92 | Support services (for City departments and divisions) |
| 10.05 | Traffic engineering and traffic committee |
| 0.55 | Administrative services, gas tax reports, 5870 proceedings |
| 100.00% | |

* Percent of total salaries

Total salaries include regular salaries, over time and part time (summer youth employment and CETA programs).

1978-79 Total: $212,039

PLATE -2-

PLATE 3

FISCAL YEAR ENGINEERING PROJECTS
(Project Construction Started and/or Completed; 7/1/78 to 6/30/79)

| Bid No. | Project Description | Final Const. Cost | Council Award | Council Acceptance | Percent Eng. Cost/Project | Contractor |
|---|---|---|---|---|---|---|
| | CITY PRJECTS | | | | | |
| 77/16 | Equipment for Well No. 11/S | $116,681.97 | 6/7/77 | 11/7/78 | 3.47% | Jamieson Construction Co. |
| 77/18 | Adam Park Phases II & III | $477,739.00 | 6/7/77 | 3/16/79 | 1.71% | Tom Downey |
| 78/6 | Surface Imp. Alvin Ave. - Curryer St. to Miller St. | $69,655.25 | 12/6/77 | 11/7/78 | 6.28% | M.J. Hermreck, Inc. |
| 78/10 | Adam Park - Phase One | $157,978.33 | 12/20/77 | 11/7/78 | 1.66% | Valley Crest Landscaping, Inc |
| 78/12 | Street Light Installation McClelland St., Morrison Ave. to Jones St. | $ 10,819.00 | 2/7/78 | 9/5/78 | 2.44% | Advance Electrical |
| 78/13 | Renovate Filters 1 & 2 @ WWTP | $ 35,307.00 | 2/7/78 | 9/5/78 | 2.97% | Boyd Construction |
| 78/14 | Street Light Conversion - Northwest Quadrant | $167,597.44 | 3/21/78 | 9/19/78 | 1.95% | Santa Maria Electric, Inc. |
| 78/16 | Traffic Signals - Blosser Rd. @ Cook Street | $ 54,713.00 | 3/21/78 | 1/2/79 | 0.99% | Lee Wilson Electric Co. |
| 78/22 | North College Drive Intersection Reconstruction | $ 52,281.22 | 6/20/78 | 11/7/78 | 3.76% | M.J. Hermreck, Inc. |
| 78/25 | Domestic Water Well No. 5AS | $ 49,485.00 | 6/20/78 | 9/5/78 | 1.27% | Bakersfield Well & Pump Co. |
| 79/1 | Street Maintenance 1978 | $101,763.31 | 8/1/78 | 11/7/78 | 0.86% | S.P. Milling Company |
| 79/2 | East Main Street Reconstruction Suey Road to City Limits | $ 53,334.68 | 9/19/78 | 11/21/78 | 6.26% | A. J. Diani Construction Co. |
| 79/4 | Miller St. Water Line Installation, Battles Rd. to South P/L Newlove Acres | $ 27,317.80 | 11/7/78 | 3/20/79 | 6.91% | Jamieson Construction Co. |
| 79/5 | College Dr. Water Line Project Church St. to Boone St. | $ 70,768.59 | 11/7/78 | 2/2/79 | 3.20% | South Coast Contractor's |
| 79/6 | College Drive Improvements - Boone St. to Church St. | $ 80,212.81 | 2/6/79 | 7/3/79 | 4.76% | A. J. Diani Construction Co. |
| 79/9 | Street Light Installation Fesler-Depot to Broadway | $ 45,511.00 | 3/20/79 | 7/17/79 | 1.24% | Santa Maria Electric |
| 79/13 | Renovate Clarifier at WWTP | $ 21,588.14 | 3/20/79 | 6/5/79 | 3.30% | Spiess Construction Co., Inc. |
| 79/8 | Restoration of Paul Nelson Swimming Pool | $ 83,824.59 | 1/2/79 | 7/3/79 | 0.3% | J. B. Kies Construction Co. |

## MECHANICAL MAINTENANCE DIVISION

This division is responsible for the management of the City's entire fleet of vehicles and other similar equipment. The mobile and stationary fleet has slightly over 220 pieces of equipment of various sizes and types. The major portion consists of passenger vehicles and trucks. The remainder may be anything from lawn edgers to Caterpillar D-8 bulldozers.

The maintenance program includes "in-house" major overhauls, tune-ups, general repairs, minor body repairs, brake work, tire repairs, lubrication, and an effective preventive maintenance program. A critical analysis is performed on each job to assure best over-all economy. This has resulted in operating the division with a minimum dollar budget. This division is unique in that it operates as a "pool" rental system for all the mechanical equipment used by all the departments and divisions and entails the development of the specifications for purchasing of same; keeps detailed records for equipment cost analysis and setting of the rental rates for vehicles as well as the City radio communication units.

During the fiscal year, vehicles traveled 987,728 miles, a decrease of 6.1% from last year, using some 183,091 gallons of fuel, an increase of 1.2% from last year. Service fuel delivery tickets used during this period were 13,691.

The division used 2,313 shop repair orders. This is a decrease of 186 less than was used last year.

The division used 178.0 manhours to assist the other City departments on specialized projects such as fabrication and welding. The cost of personnel, equipment, and material for this service is reimbursed through "Inter-departmental" billing.

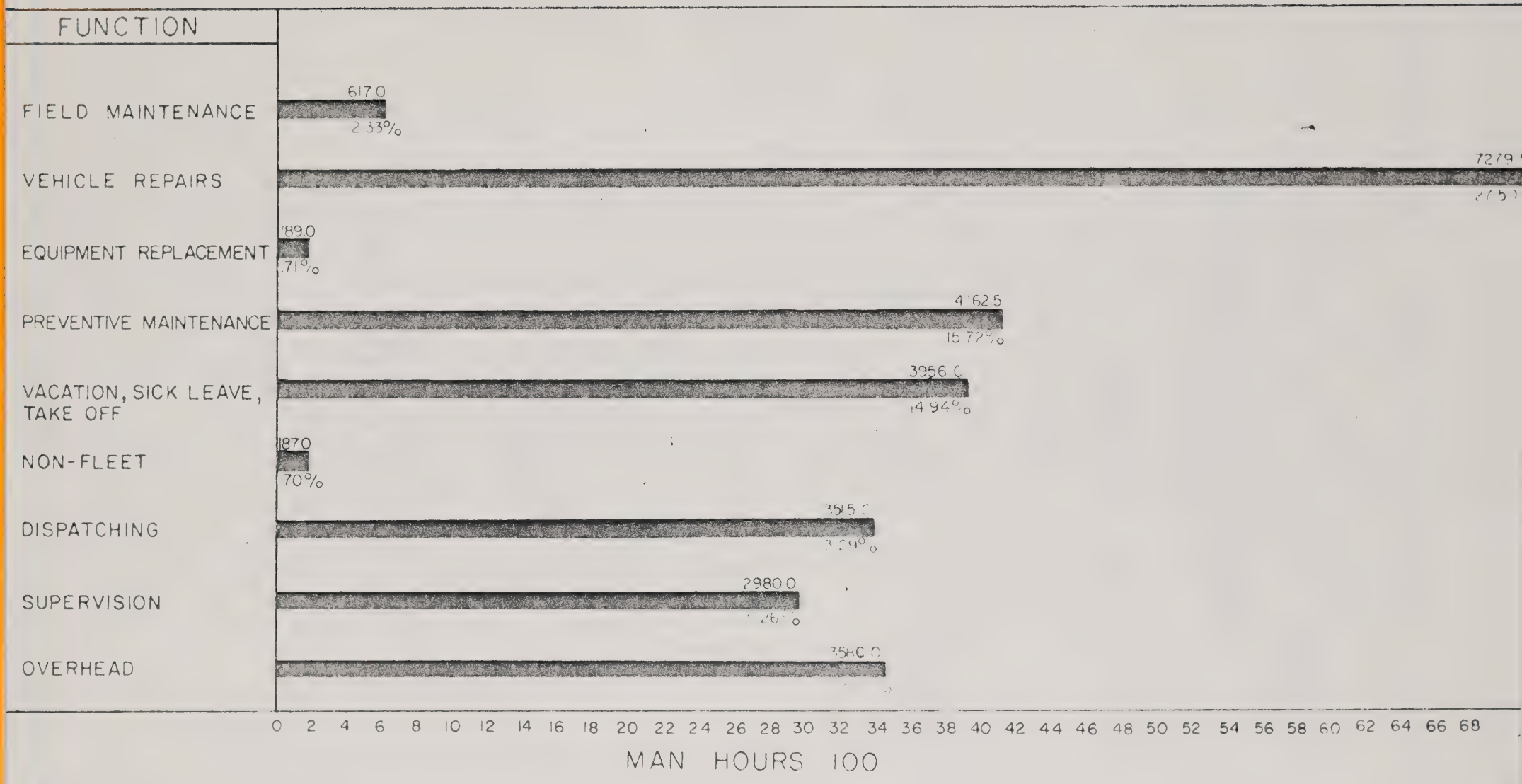
The division's total 1978-79 operating budget was $521,060. The total fiscal operating expenditure was $520,056, resulting in a savings of $1,004. A budget balance is sustained through revenue from the Pool Rental Program and other reimbursements, as follows:

| | | |
|---|---|---|
| a) | Assigned and unassigned vehicles | $903,876 |
| b) | Private party accident insurance | 500 |
| c) | Sale of surplus vehicles and equipment | 15,000 |
| d) | State of California gasoline road tax rebate | 1,700 |
| d) | Miscellaneous refund and warranty repairs | 1,600 |
| | | $922,676 |

The D-8 dozer underwent major overhaul to undercarriage in the fith and last year of a five year warranty agreement with Wallace Machinery. A general check-up and complete oil sample test of hydraulic system and drive train components was also completed to find the dozer in relatively good condition and expected to give the City another five years good service at the landfill. Repairs totaled in excess of $20,000, including the warranty agreement portion. Current replacement cost of a D-8 dozer is in excess of $225,000.00.

In an effort to curtail gasoline price increases, in March 1979, the Mechanical Maintenance Division has changed over from supreme to regular gasoline in all fleet vehicles that do not require unleaded gasoline, with the exception of police motorcycles and fire trucks; a savings of five cents per gallon or approximately $5,000 annually.

# MECHANICAL MAINTENANCE
## MAN HOUR CHART 1978-79




TOTAL MAN HOURS:
26,472.0



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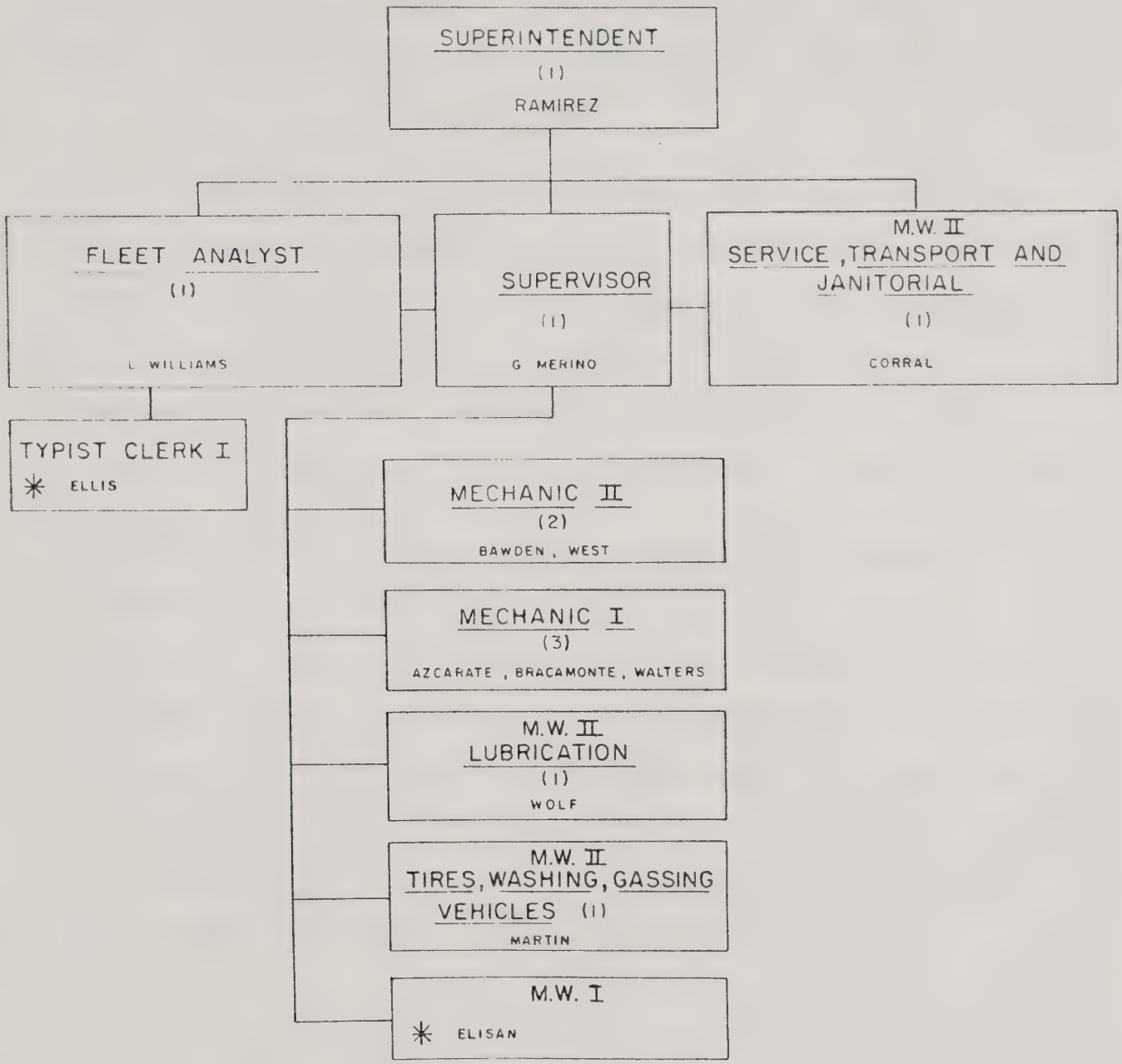
# MECHANICAL MAINTENANCE DIVISION

## CITY OF SANTA MARIA

## DEPARTMENT OF PUBLIC WORKS

## ORGANIZATION CHART

(EXISTING)




* CETA

## SANITATION DIVISION

### Collection

The collection section of the Sanitation Division is responsible for the collection of mixed refuse from approximately 10,727 residential and commercial accounts using City personnel and equipment. This represents an increase of 2.72% in accounts serviced over last year. Residential refuse is collected twice each week and the commercial accounts are serviced from one to six times each week.

The collections are made by six residential rear loading crews, and the commercial accounts are picked up by two front loader drivers. In the near future a third route will have to be added because the existing routes are up to capacity. Residents are still bundling and putting out for collection, old newspapers. As of June 30, 1979, 228.31 tons have been collected by City crews since the program was initiated on February 1, 1974.

Shown in Figure "I" is a comparison of the number of miles traveled by all Sanitation Division trucks for each of the last ten years for the month of June of each year. The drop off in miles traveled in 1974 can be attributed to the energy shortage and a resultant change in operation. The increase in 1975 is caused by new construction and when the new scales were available early in 1975 the Highway Patrol pointed out, in the form of a warning, that some of our trucks were overloaded; as a result more trips were made to the Landfill with lighter loads.

FIGURE I NUMBER OF MILES TRAVELED

| | Rear Loaders | Front Loaders | Total |
|---|---|---|---|
| June 1969 | 3,482 | 1,903 | 5,385 |
| 1970 | 3,622 | 2,140 | 5,762 |
| 1971 | 3,771 | 2,331 | 6,102 |
| 1972 | 3,814 | 2,294 | 6,108 |
| 1973 | 3,718 | 2,390 | 6,108 |
| 1974 | 3,329 | 2,237 | 5,566 |
| 1975 | 3,566 | 2,415 | 5,981 |
| 1976 | 3,324 | 2,710 | 6,034 |
| 1977 | 3,444 | 2,492 | 5,936 |
| 1978 | 3,865 | 2,711 | 6,576 |
| 1979 | 3,429 | 2,699 | 6,128 |

Figure "II" AND "III" are the tabulations showing the number of accounts for the rear loaders and front loaders over the past ten years. The significant point to be noted is that during these years the Rear Loader accounts, mainly residential, have increased 7.14% while the Front Loader accounts, mainly commercial and apartment complexes, have increased 122.12.

NUMBER OF REAR LOADER ACCOUNTS

| | |
|---|---|
| June 30, 1969 | 8,844 |
| 1970 | 8,816 |
| 1971 | 8,818 |
| 1972 | 8,795 |
| 1973 | 8,843 |
| 1974 | 8,923 |
| 1975 | 9,025 |
| 1976 | 9,320 |
| 1977 | 9,470 |
| 1978 | 9,961 |
| 1979 | 10,220 |

FIGURE II

NUMBER OF FRONT LOADER ACCOUNTS

| | |
|---|---|
| June 30, 1969 | 217 |
| 1970 | 241 |
| 1971 | 264 |
| 1972 | 303 |
| 1973 | 329 |
| 1974 | 358 |
| 1975 | 376 |
| 1976 | 427 |
| 1977 | 452 |
| 1978 | 482 |
| 1979 | 506 |

FIGURE III

Figure "IV" shows the total cubic yards hauled by front loaders over the past 10 year period for the month of June of each year. The increase and decreases noted below are due in part to the fluctuations in the cardboard market. Early in 1975 the market dropped thereby increasing the amount of cardboard and newspapers rose, therefore, the front loaders picked up less even with new construction. New accounts in the past two (2) years probably account for the increase in cubic yards hauled in 1978 and 1979.

NUMBER OF CUBIC YARDS HAULED BY FRONT LOADERS

| | |
|---|---|
| June 1969 | 9,507 |
| 1970 | 13,142 |
| 1971 | 12,073 |
| 1972 | 12,900 |
| 1973 | 13,261 |
| 1974 | 13,106 |
| 1975 | 14,536 |
| 1976 | 14,501 |
| 1977 | 16,959 |
| 1978 | 17,108 |
| 1979 | 18,708 |

FIGURE IV

Figure "V" shows the total tons hauled for the past four years for the month of June of each year.

NUMBER OF TONS HAULED

| | Rear Loaders | Front Loaders |
|---|---|---|
| June 1976 | 1,035 | 862 |
| 1977 | 1,086 | 907 |
| 1978 | 1,166 | 1,167 |
| 1979 | 1,238 | 1,007 |

FIGURE V

Capital improvements added this year consist of 58 new refuse bins purchased for new accounts.

Disposal:

The disposal section of the Sanitation Division is responsible for operation of the City Landfill along the easterly terminus of East Main Street. This involves the spreading, compacting and covering of all refuse produced in the City, as well as all produced by residents adjacent to the City in San Luis Obispo and Santa Barbara Counties. This also includes estimating small pickup loads and collecting cash or issuing charge tickets for all loads dumping at the landfill. Some of the associated activities, are comprised of constructing and maintaining of the access road and erecting fences for the control of blowing paper.

On July 1, 1978 the rate of dumping was raised 5%, in accordance with City Council Resolution No. 3958 adopted 6/17/75.

The only capital improvement in 1978-79 was the 500 foot extension of the chain link fence along Main Street to the end of paved road to discourage people from entering dump site after hours.

Figure "VI" shows the acreage used through the fiscal years from 1963-64 to 1978-79. The variation from a normal increase each year starting in 1968-69 to present, is caused by the different types of land being used (reuse of the old dump versus clean land). The reduction in land used in 1976 and 1977 was caused by raising the height of the finished fill higher than in previous years, in addition to the clean land now being used. The increase in land used in 1978-79 is the result of not going above the levee height to make a hill and increased use of the landfill by the public. Approximately 187.79 acres of clean land is remaining for the existing landfill operation as of June 30, 1979.

Figure "VII" indicates the total number of tons received at the landfill for the various calendar years since operation of the scales commenced. These figures are reported on a quarterly basis to the Regional Water Control Board in compliance with Order No. 72-74 adopted October 12, 1972.

ACRES USED PER YEAR

| | |
|---|---|
| 1963-64 | 3.23 |
| 1964-65 | 3.55 |
| 1965-66 | 3.76 |
| 1966-67 | 4.10 |
| 1967-68 | 5.53 |
| 1968-69 | 7.45 |
| 1969-70 | 5.00 |
| 1970-71 | 6.81 |
| 1971-72 | 8.20 |
| 1972-73 | 5.83 |
| 1973-74 | 6.70 |
| 1974-75 | 6.05 |
| 1975-76 | 4.96 |
| 1976-77 | 4.65 |
| 1977-78 | 5.37 |
| 1978-79 | 6.69 |

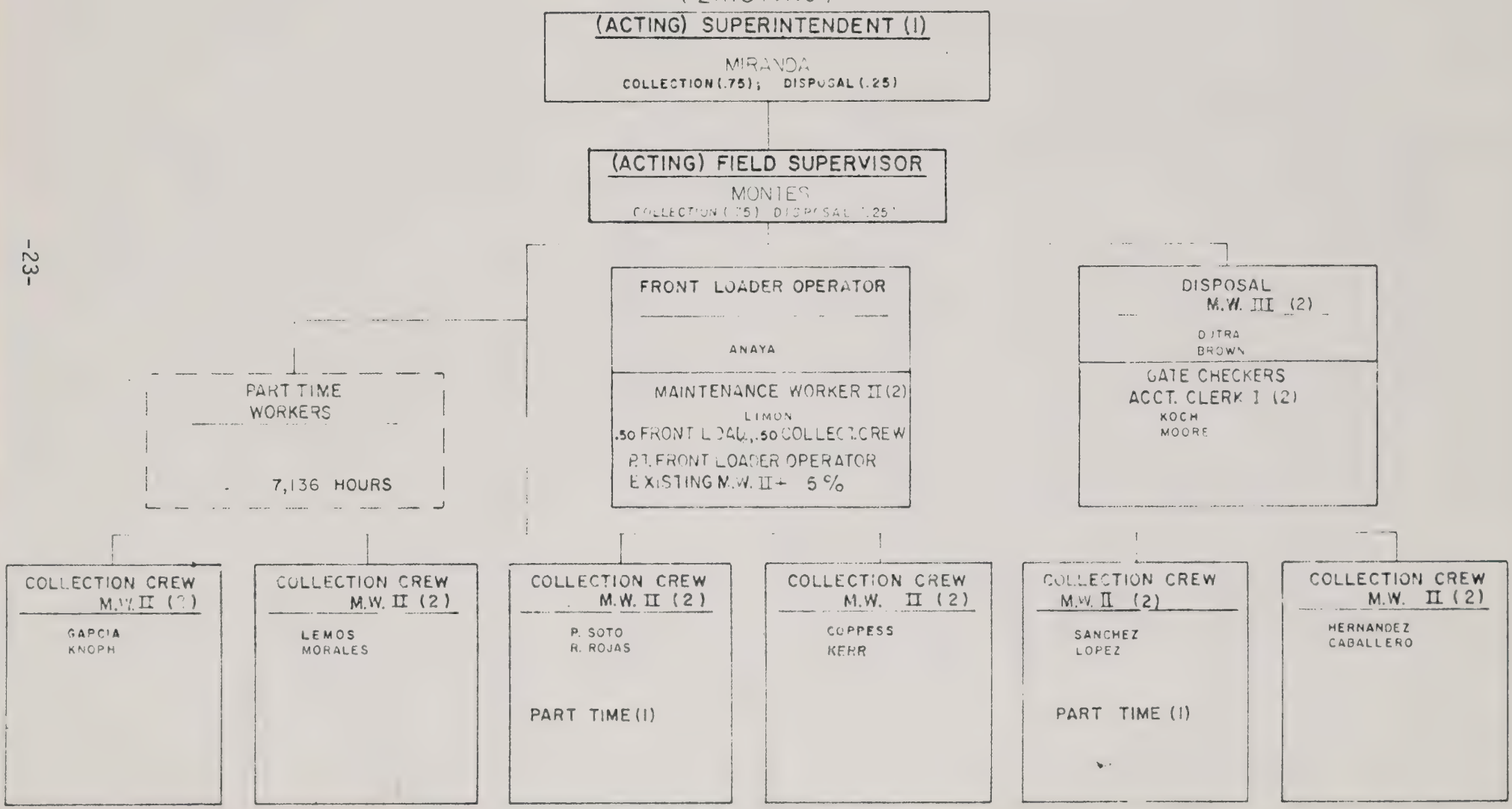
FIGURE VI

| Calendar Year | Tons |
|---|---|
| 1976 | 73,369 * |
| 1977 | 68,519 |
| 1978 | 83,367 |

* 5,897 tons included from demolition of downtown redevelopment project.

FIGURE VII

# SANITATION DIVISION
## CITY OF SANTA MARIA
## DEPARTMENT OF PUBLIC WORKS
# ORGANIZATION CHART






REV. 8/1/79 M.H. A-240

## STREET DIVISION

The Street Division is responsible for preventative and regular maintenance of the City streets with appurtenant facilities. This includes emergency maintenance or repair caused by accidents, weather conditions, settlement, or other unusual unexpected damage.

The Street Division was composed of 10 maintenance workers, 2 electricians, 2 field supervisors and 1 street superintendent during the past fiscal year; augmented by 3 part time and 7 C.E.T.A. employees.

During mid-fiscal year there was one special C.E.T.A. project program authorized consisting of 3 C.E.T.A., under the supervision of one full time employee, to repair defective sidewalk damaged by tree roots. This project consisted of 8,000 sq. ft. of sidewalk repair.

The degree and type of maintenance for each street or portion thereof in the total City street system of 120 miles is determined by the Street Superintendent taking into consideration traffic requirements and funds available.

High on the priority list is proper scheduling and planning of routine preventative maintenance procedures in order that any inconvenience to the public is kept to a minimum. Every effort is made to speedily correct hazardous conditions, which interfere with the flow of traffic, vehicular or pedestrian. Safety for the public is our number one consideration. The major maintenance activities conducted by the Street Division are as follows:

1. Travel-Way Maintenance:

   a. A/C Repair - Overlays - Chip Seal Coat
   b. Sweeping
   c. Concrete Improvement Repair
   d. Traffic Control
   e. Traffic Delineation
   f. Street Illumination and Electrical Maintenance

2. Sewage Collection Line Maintenance

3. Drainage Maintenance

4. Weed Abatement

1. TRAVELWAY MAINTENANCE

a. Travelway maintenance program during fiscal year 1978-79 consisted of placing 1,646 tons of either SC/800 or 85/100 asphaltic concrete on City streets in need of repair. This activity involves the repair of pot holes, water ditches, sewer ditches and renovation of portions of streets in preparation for annual overlays and seal coat program.

b. The annual major street maintenance program consisted of placing 4,086 tons of 3/8" 85/100 of asphaltic concrete, 1½" blanket overlay on 2,091,690 sq. ft. of City streets for a cost of $59,120 and placing 126/823 tn. of oil/gravel seal on 694,180 sq.ft. of streets at a cost of $29,364.

c. Street Sweeping: City streets were swept on a weekly schedule with the business area on a daily basis. The 2 motorized sweepers were operational approximately 400 sweeper days out of 520 sweeper days. The 120 days the sweepers were not operating were due to service repair, operator's illness, inclement weather, holidays and comp time off. The two sweepers removed and hauled to the landfill 1,623 tons of material swept off the City streets; using 11 pickup brooms and 38 gutter brooms.

d. Concrete Improvement Repair: This maintenance activity consists of repairing damaged or hazardous concrete improvements on vehicular or pedestrian travelways. The greatest percentage of the damage is caused by tree roots. The temporary repair of the hazardous concrete areas with asphaltic concrete has allowed the concrete crew to devote more time on the replacement of curb and gutter damaged by tree roots that tends to fall behind. There were 127 completed work orders for a total of 15,821 sq. ft. of concrete improvement repair with the use of transit-mix or mixing on-site approximately 167 cubic yards of concrete.

e. Traffic Control: This program includes all work performed in signing as a traffic control device and placed on City streets for the purpose of warning, regulating or guiding traffic. The work may consist of the manufacture, purchasing, assembly and installation of new signs; replacement of existing damaged signs and the repair, cleaning and painting of signs. Signs are replaced or repaired when they become defective due to age, weathering, vandalism, accidents or any other types of wear and tear.

This past year the following sign maintenance amounted to the installation of 319 regulatory, 154 guide, 126 warning. This crew also constructed 196 barricades and repaired or replaced 104 feet of guard rail.

f. Pavement Delineation: The pavement delineation program involved all work necessary to maintain and replace traffic directional street markings. Work included layout, removal of old stripes, painting of new or existing stripes and limited parking zones. This required the use of 1,062 gallons of traffic paint, 2 tons of beads, 150 gallons of lacquer and paint thinner.

g. Street Illumination & Electrical Maintenance: Street illumination is a major responsibility of this division and consists in the upkeep of 2,383 street lights and in addition includes electrical service as required by all departments and their subordinate divisions for new machines either changes in electrical circuits or electrical repairs.

During this period there were 300 mercury vapor lights converted to low pressure sodium lights by this division. Total savings, without the sacrifice of illumination, was approximately $14,880. The conversation of street light illumination will continue until all the lights that can be converted are completed. Project completion year is 1980-81.

2. SEWAGE COLLECTION LINE MAINTENANCE:

Emergency sewer stoppages were given top priority and every effort was made to respond as quickly as possible. Our maintenance program with the high velicity sewer machine has reduced our sewer stoppage call backs. A preventative maintenance program caused the cleaning of 51,920 feet of sewer line and cleared as a result of sewer stoppage, 12,268 feet of sewer line. Replacement of approximately 75 feet of private sewer lateral was necessary since the damage was by tree roots on City right-of-way. The crew performing the cleaning also cleaned the drainage culverts prior to the winter season.

3. DRAINAGE MAINTENANCE:

There are 19,640 feet of underground drainage facilities now in existance and has effected a reduction of flooding at intersections on some of our major arterials and other streets. Since the system has been in existance relatively little maintenance has been necessary. However, in the future the maintenance of the underground drainage system

will increase. The present cleaning operations includes flushing of 110 intersection culverts, grading and weed control of 18 major drainage ditches; this work occurs twice annually with a 2 or 3 man crew and a contract applications of chemical weed control at a cost of $759.50.

4. WEED ABATMENT:

The weed abatement program takes most of seven months to complete and is conducted in five phases:

I Mid-fiscal year for lot inspection.

II Posting lots for chemical weed abatement.

III Application of chemical weed control.

IV Posting lots for weed abatement and debris removal, manually and/or with equipment.

V Manual destruction of weeds and cleaning of lots. This phase will run into the following fiscal year.

All phases require the posting and compilation of cost records to assure proper billing for each lot; all of which is forwarded to the City Clerk for the filing of assessment against the property. The entire weed abatement program during fiscal year 1978-79 came to a total of $9,699.29.

5. STOWELL & SANTA MARIA TOWN CENTERS-PARKING LOTS W/LANDSCAPING

The Stowell and Santa Maria Town Centers landscaping and parking area maintenance is performed by private contractors under the administration of the Street Division. Review for compliance with bid specifications and administration of expenditures in accordance with the contracts are the primary responsibilities. Performance standards are determined by periodic inspections and notifying the contractor of any deficiencies.

The following graph depicts manhours required for various segments of the Street Division work; note the asterisk indicates the man hours used by the electrical crew only.

STREET DIVISION MANHOURS

July 1, 1978 to June 30, 1979

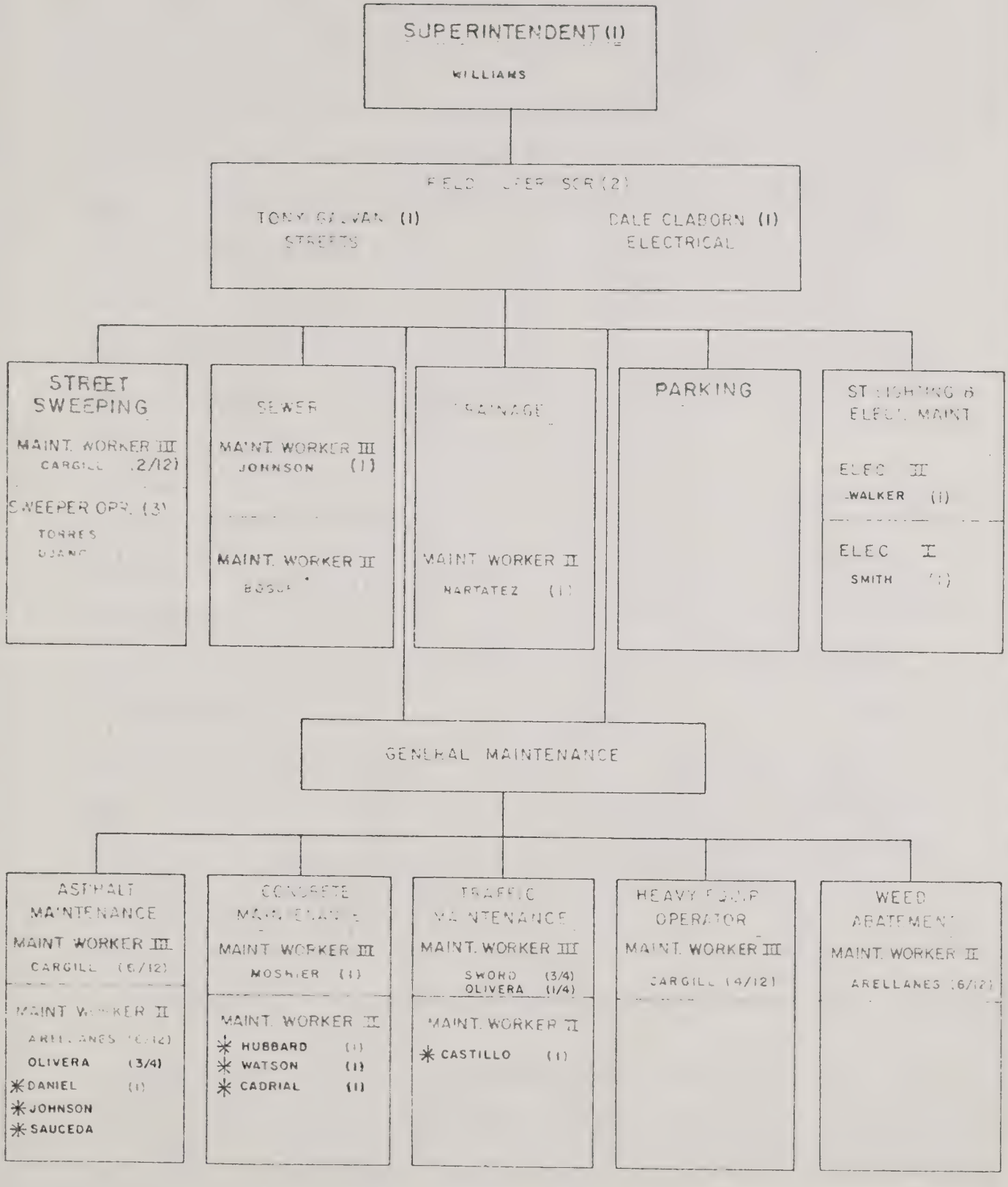
Electrical

| OF<br>NTENANCE | HOURS | MAN HOURS UTILIZED PER OPERATION (Thousand Hours)<br>0 1 2 3 4 5 6 7 | % of<br>Total |
|---|---|---|---|
| ning | 6,994.50 | | 17.63 |
| rting | 2,054.00 | | 5.18 |
| eping | 3,448.50 | | 8.69 |
| rs | 989.50 | | 2.49 |
| nage | 1,394.00 | | 3.51 |
| eys | 1,075.50 | | 2.71 |
| rete | 4,653.00 | | 11.73 |
| s | 1,384.00 | | 3.49 |
| ricades | 262.00 | | 0.66 |
| nts | 3,018.50 | | 7.61 |
| ets | 133.50 | | 0.34 |
| Hall | 594.00 | | 1.50 |
| ineering | 27.00 | | 0.07 |
| & Parks | 791.50 | | 1.99 |
| Department | 310.50 | | 0.78 |
| ice Department | 106.00 | | 0.27 |
| . Division | 130.00 | | 0.33 |
| r Division | 243.50 | | 0.61 |
| m. Dev. | 106.00 | | 0.27 |
| tewater Div. | 184.00 | | 0.46 |
| ary | 100.00 | | 0.25 |
| ding Maint. | 177.00 | | 0.45 |
| n Center Mall | 546.00 | | 1.38 |
| ellaneous | 80.50 | | 0.20 |
| Sidewalk Project | 2,024.00 | | 5.10 |
| rlay/Chip Seal | 687.50 | | 1.73 |
| Abatement '78 | 1,552.00 | | 3.91 |
| nt | 669.00 | | 1.69 |
| ation | 1,922.50 | | 4.85 |
| k | 1,329.50 | | 3.35 |
| strial Sick | 202.50 | | 0.51 |
| Time Off | 657.00 | | 1.66 |
| ating Holiday | 916.00 | | 2.31 |
| day | 688.00 | | 1.73 |
| ellaneous | 16.00 | | .04 |
| y River Xing | 169.00 | | .43 |
| Parade | 25.00 | | .06 |
| Center Mall | 16.00 | | .04 |
| ular Hours | 39,677.00 | | |
| /Part Time | 2,556.00 | | |
| Time On | 570.25 | | |
| L MAN HOURS | 42,803.25 | | |

# STREET DIVISION

## CITY OF SANTA MARIA
## DEPARTMENT OF PUBLIC WORKS
## ORGANIZATION CHART

(EXISTING)




* C.E.T.A.



REV. 8/7/79 MK

A-226

## WASTEWATER TREATMENT PLANT

The Wastewater Treatment Plant is located on Black Road approximately 2.5 miles west of Santa Maria. Its purpose is to treat all domestic and industrial waste as collected and conveyed by the sewer system, at a reasonable cost. Treatment is classed as secondary in nature through the use of biofiltration with anaerobic sludge digestion. The plant operated at approximately 85% design capacity and removed an average of 78% of the BOD (Biochemical Oxygen Demand), 76% of the COD (Chemical Oxygen Demand), and 85% of the total non-filtrable residue (suspended solids). The plant effluent is suitable for irrigation of permanent non-dairy pasture land and fodder crops. Digested sludge averaged 56% volatile reduction. This sludge is dried in earthen beds and can be used as a soil conditioner in the absence of root crops.

The plant is maintained and operated by one Superintendent, one Field Supervisor, one Laboratory Technician, one Source Control Inspector, and four Operators. The new Source Control Inspector position was filled by promoting a Plant Operator. For most of the year two Plant Operator positions were left vacant because of Proposition 13. All positions are currently filled by personnel certified in compliance with State Bill AB 1961. In addition to the mandatory State certification, the Laboratory Technician and the Source Control Inspector have earned voluntary certification in the fields of laboratory technology and industrial waste inspection respectively. This voluntary certification program is sponsored by the California Water Pollution Control Association.

Tours by students and other interested groups continue to be given on request. A total of 85 people toured the plant this year. Visitors are shown and told about the various components of wastewater treatment used

at the plant. Generally the tours are concluded with a visit to the laboratory where a question and answer session is held.

The following tests were performed in the wastewater treatment plant's State certified laboratory:

| | |
|---|---|
| 51 | Dissolved Oxygen |
| 52 | Biochemical Oxygen Demand |
| 52 | Chemical Oxygen Demand |
| 52 | Total Non-Filtrable Residue |
| 47 | Grease and Oil |
| 360 | Settleable Solids |
| 360 | pH |
| 359 | Electrical Conductivity |
| 50 | Chloride ion concentration |
| 17 | Phosphate " " |
| 13 | Sulfate " " |
| 7 | Nitrate " " |
| 45 | Sludge Samples for percent solids |
| 49 | Volatile acid and alkalinity determinations |
| 4 | Total Filtrable Residue |

Certain tests required by the State Water Quality Control Board were beyond the scope of the plant laboratory. For this reason, "Agriculture Laboratory Services" performed the tests under contract for the annual analysis (heavy metals, methylene blue active substance, phenols, polychlorinated byphenyls, and total chlorinated hydrocarbons), the semi-annual analysis (heavy metals, MBAS, and phenols), and a portion of the quarterly analysis (sodium, boron, and total nitrogen). The results of the above tests do aid in plant operation, and in some cases, reflect plant efficiency or indicate where more source control is needed. In addition to the above, BOD and Total Non-Filtrable Residue tests were performed on industrial waste discharges to the sewer system as necessary for wastewater strength determinations and charges as required under the wastewater ordinance.

Capital improvements this year included a 24 hour recording pH meter, two-way radio and a utility truck for the Industrial Source Control

Inspector. A portable oxygen probe was purchased for the laboratory to speed up testing and to save on chemicals used for the Biochemical Oxygen Demand test.

Major maintenance operations were the sandblasting, painting, replacing bolts and replacing the grating on the secondary clarifier. A sludge pump to replace No. 1 lift pump at the Dejoy Lift Station has been ordered and should be arriving any time.

Other repairs included overhauling both the primary and secondary sludge pump varidrives. No electric motors had to be rewound this past year. Major repairs were made on two pumps as part of the maintenance program (bearings, sleeves and impeller). A new barminutor frame was purchased. It will be installed this next year when the wet well will be repaired. A preventative maintenance overhaul was completed on the primary and secondary clarifier drive mechanism and motors.

An earthquake (5.1), centered in the Santa Barbara Channel, was felt in Santa Maria, however, no damage was detected at the Wastewater Treatment Plant. There was some damage on property adjacent to the plant.

The treatment plant was selected out of other plants in the State for a nitrate study of the irrigated land by the University of California at Riverside. The report should be finished by December of 1979.

In December and again in April the treatment plant was burglarized. Tools, gas cans, office and lab equipmentwere taken. This was the first time known to plant personnel of any break ins. A silent alarm has been installed to help prevent any further burglaries.

Gambusia fish were purchased from Sequoici Fisheries in Terra Bella and

were planted in the ponds to remove any mosquito larva that will form around the banks.

Revenue collected for vacuum truck, septic tank dumping at the treatment plant amounted to $12,680; the past year's total cost for plant operation was $336,515. Includes $100,542 for General Administration Services, however, excludes $326,698 expended for the Clean Water Grant Project.
During the fiscal year 1978-79, 1,727,600,000 gallons of wastewater was treated at a maintenance and operations cost of $136.59 per mill. gal. (not including Gen. Admin.)
Total flow is higher than the previous fiscal year because of an agreement with the Airport and Laguna Sanitation District in which Santa Maria treats part of their wastewater. The increased flows have caused the treatment cost per million gallons of wastewater to stay about the same as last year; the following table and graph show the comparative measurements over the past ten years.

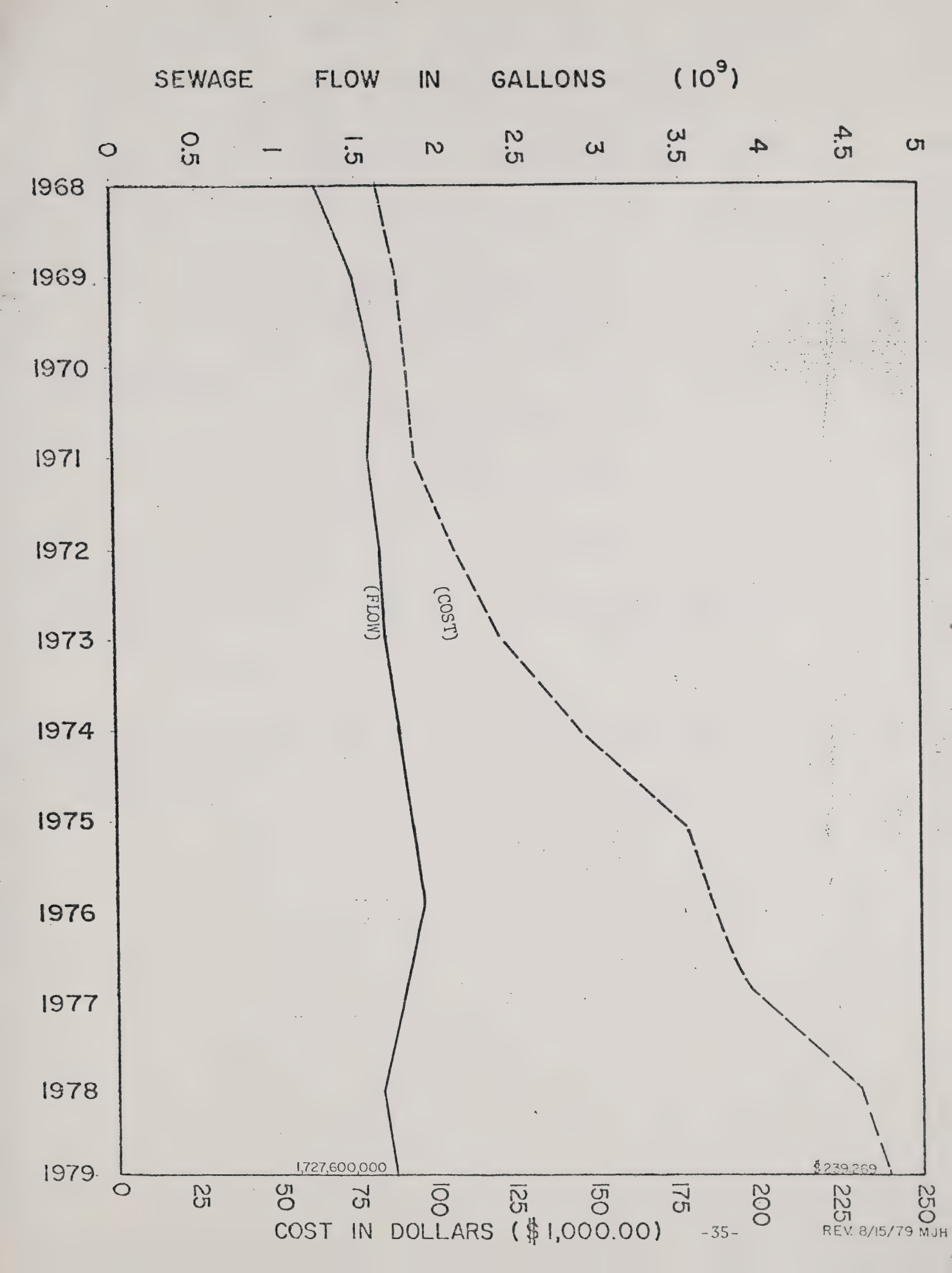
1,727,600,000 gallons = 5,302 acre feet

TREATMENT QUANTITIES & COSTS

| Fiscal | Gallons Sewage Flow | Cost Treatment Per Million Gals. | Cost |
|---|---|---|---|
| 1969-70 | 1,600,346,000 | 55.61 | $ 89,000 |
| 1970-71 | 1,583,746,000 | 58.09 | 92,000 |
| 1971-72 | 1,636,760,000 | 64.43 | 105,450 |
| 1972-73 | 1,602,693,000 | 75.09 | 120,340 |
| 1973-74 | 1,762,962,000 | 80.45 | 147,701 |
| 1974-75 | 1,814,920,000 | 97.95 | 177,779 |
| 1975-76 | 1,835,380,000 | 101.00 | 185,385 |
| 1976-77 | 1,746,560,000 | 113.94 | 199,000 |
| 1977-78 | 1,666,090,000 | 138.29 | 230,396 |
| 1978-79 | * 1,727,600,000 | ** 136.59 | 235,973 |

* 5,302 acre feet
** 44.51 per acre foot

w/Gen. Admin. $194.79/mg
63.47/af



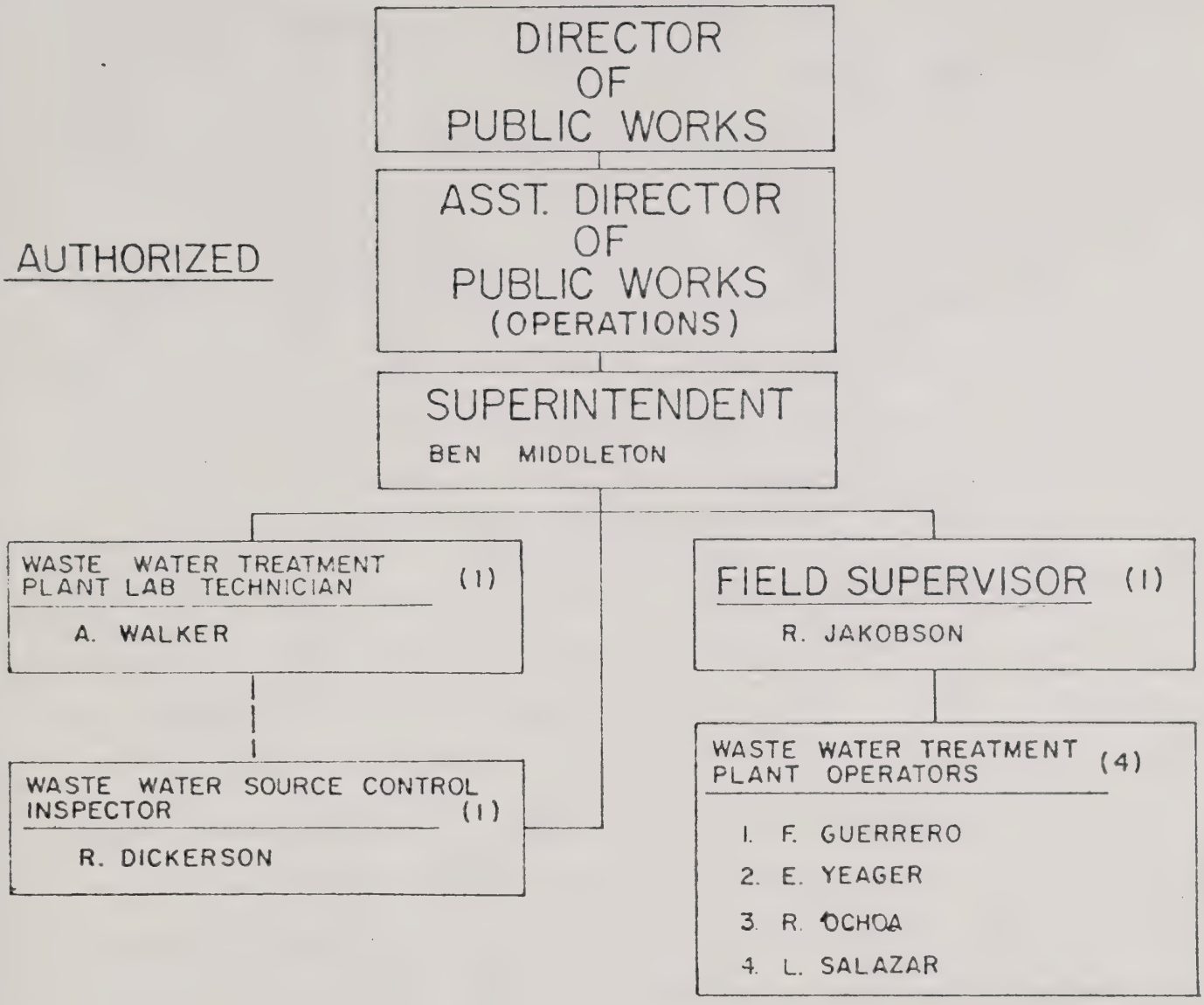



REV. 8/15/79 MJH

# WASTE WATER TREATMENT DIVISION

## CITY OF SANTA MARIA
## DEPARTMENT OF PUBLIC WORKS

## ORGANIZATION CHART



## WATER DIVISION

### PRODUCTION

Fixty-six water samples per month were collected throughout the system by the Water Division Personnel for bacteria analysis in compliance with the State health standards. The analysis in all cases substantiated that the water system is clean. Also as required by State Health standards, tests were performed by the City Water Division on water samples for turbidity, color, odor and temperature, all were well within the standards. Repairs were made on approximately ten well chlorinators which included four rebuilt chlorinator pumps. Technical maintenance was carried out on the automatic well control and pressure control system. The system includes telemetering and electronic components at a headquarters main control panel, a failure alarm system, a sub-panel and several remote stations. The water production capability is comprised of 10 water wells and are located within the Santa Maria Public Airport boundaries, with the exception of two, close to the center of the City. The wells furnished an average 7.0 million gallons per day to satisfy the customers demands. The two ground level and two elevated reservoirs used in conjunction with the wells, have a total of 15.5 million gallons storage capacity. The construction of the new 7-million gallon reservoir was completed and put into operation in July 1979. This will increase the "elevated" reservoir capacity to 13.0 million gallons. The combined well production and reservoir capacity must also supply the peak demands of 14 million gallons per day and allow at all times for a reserve fire flow supply. This all amounts to an annual total consumption of approximately 2.5 billion gallons. Also the well No. 11-S was completed this year and put into production at a flow of 2,400 g.p.m.

The WATER DISTRIBUTION section is responsible for transmitting water from the well source to the people. This service is provided to over 10,912 accounts

through a water line system which is approximately 184.6 miles long. This section also provides the meter reading function, water billing and collection service, installation of service lines, meter maintenance and maintains all water distribution facilities in their entirety. The income from all water sold this fiscal year is shown on following graph. Totals of various water division functions during the fiscal year 1978-79 are listed as follows:

| FUNCTION | NO. COMPLETED |
|---|---|
| 1. Water meter readings | 64,706 |
| 2. Water service turn-ons | 2,647 |
| 3. Water service turn-offs | 2,782 |
| 4. Collections (delinquent bills) | 1,456 |
| 5. Water meter re-reads | 3,374 |
| 6. Miscellaneous service calls | 813 |
| 7. New service line and taps installed | 342 |
| 8. Water meters installed | 658 |
| 9. Water meters removed | 371 |
| 10. Water meters repaired in shop | 318 |
| 11. Water meters repaired in field | 1,225 |
| 12. Renovation of water meter locations | 928 |
| 13. Ball valves installed | 628 |
| 14. Water meter vaults installed and replaced | 536 |
| 15. Water line leaks repaired | 112 |
| 16. Flushing dead end stations | 270 |
| 17. Flushing fire hydrants | 480 |
| 18. Fire hydrant repairs, painting & maintenance | 281 |
| 19. Main line gate valves operated | 974 |

WATER QUALITY - Ongoing monitoring and testing of the City's water system is to assure that the water is of good quality and within the allowable limits of the State Department of Public Health.

1. Chlorination of the source water is applied at each well which carries the chlorine throughout the system and thus a 0.1 p.p.m. residual of free chlorine is maintained in the extremities of the distribution system. This minimum amount of free chlorine is a positive indicator that any pathogenic material that may have entered the system will be killed off by the chlorine exposure.

2. Bacteriological monitoring is accomplished by collecting fourteen water samples weekly at various locations in the distribution system and tested in the County Health Department Laboratory in Santa Barbara. Again this year, the excellent and continuing bacteriological free record of the City water system can be attributed to chlorination, flushing of dead end lines and fire hydrants, and an effective cross connection control program.

3. Ground water source sampling is made on an annual basis for a chemical analysis of each well. These tests show any changes in the water quality relating to mineral content. The total mineral content this past year averaged 624 p.p.m. and the hardness content was 453 p.p.m. or 26.5 grains per gallon.

4. Heavy metal analysis of each well source is tested every three years to ascertain that the water is less than the maximum allowed by the United States Public Health Standards and the State of California Department of Public Health requirements for drinking water. Consistantly the water has been within these limits.

THE CROSS CONNECTION CONTROL PROGRAM is primarily a procedure to protect the public water supply from potential sources of contamination. This refers to any connection that could permit toxic or pathegenic material, or materials objectionable to taste or odor, from entering the public water system.

During the past year the following quantities of "backflow prevention" items of work were performed:

| ITEM | NO. COMPLETED |
|---|---|
| Installed | 118 |
| Replaced | 2 |
| Repaired | 16 |
| Tested | 86 |
| Installation Inspection | 50 |
| Survey Inspection | 536 |
| Informational Services | 524 |
| Conferences | 42 |
| Correspondence Reports | 576 |

Capital improvements completed or contracts awarded in conjunction with other named projects for 1978-79 fiscal year, consisted of three major projects: (NOTE: that Federal Revenue Sharing Funds and the expenditure of approximately $825,000 in the 7 M.G. Reservoir project over the last 2 fiscal years).

## INSTALLATION OF WATER LINES

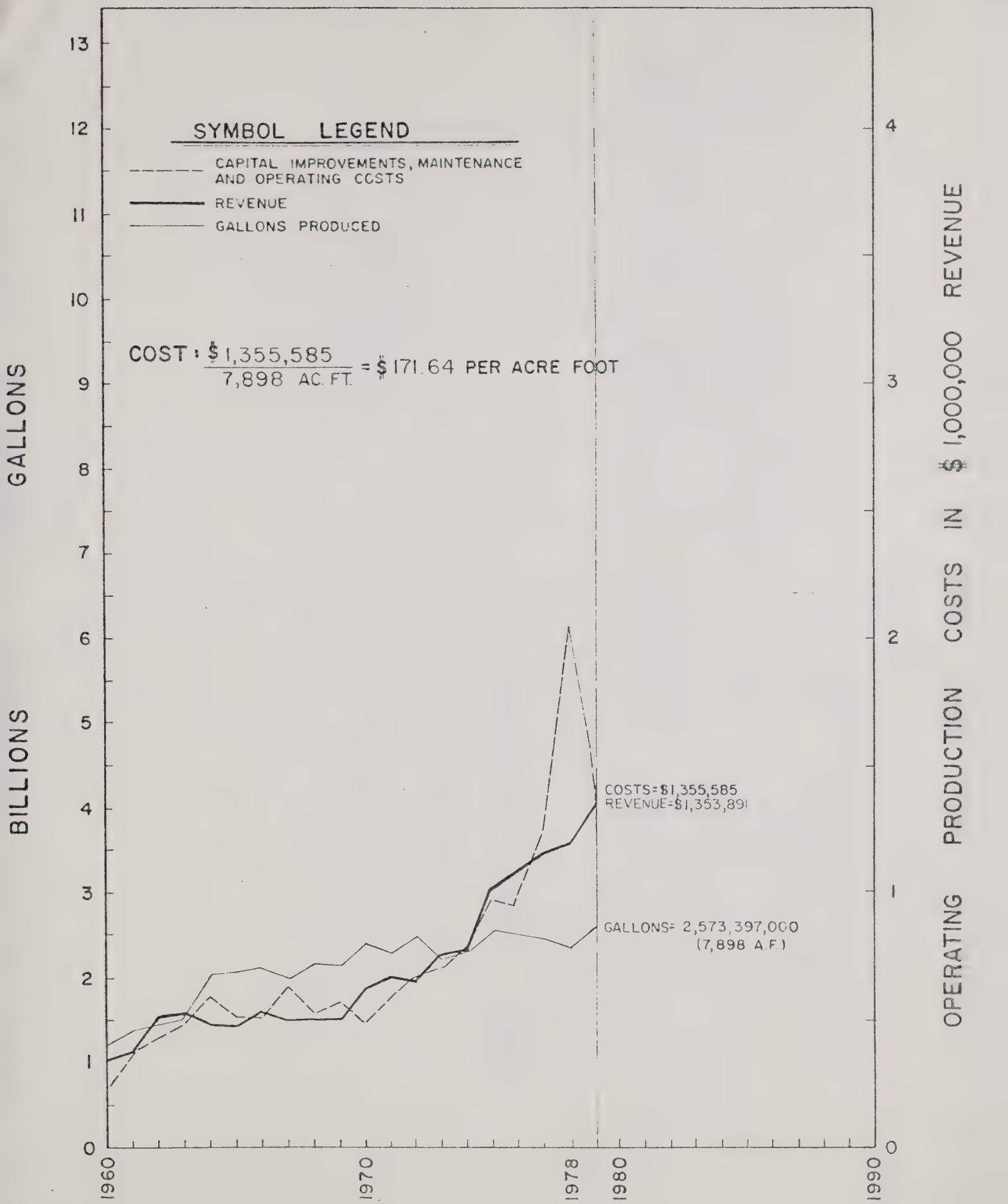
| | | |
|---|---|---|
| 1. | Installation of 12" A.C. Water Line in College Avenue - Church Street to Jones Street. | $70,770 |
| 2. | Installation of 10" A.C. Water Line in Miller Street Through the Four Lane Area of Newlove. | $27,320 |
| 3. | Completion of New 7 M.G. Reservoir .5 Miles South of Prell Road. | $330,000 |

The continuation of the present level of service to the public during the budget year of 1978-79 caused the purchase of equipment and replacement as follows:

| | | |
|---|---|---|
| 1. | New water meters. | $25,960 |
| 2. | Water line metal locator. | $ 400 |
| 3. | Hydraulic V-belt driver power unit. | $ 3,800 |
| | Total Debt Redemption | $125,720 |

# ANNUAL~WATER PRODUCTION

## DELIVERED COSTS, SALES REVENUE





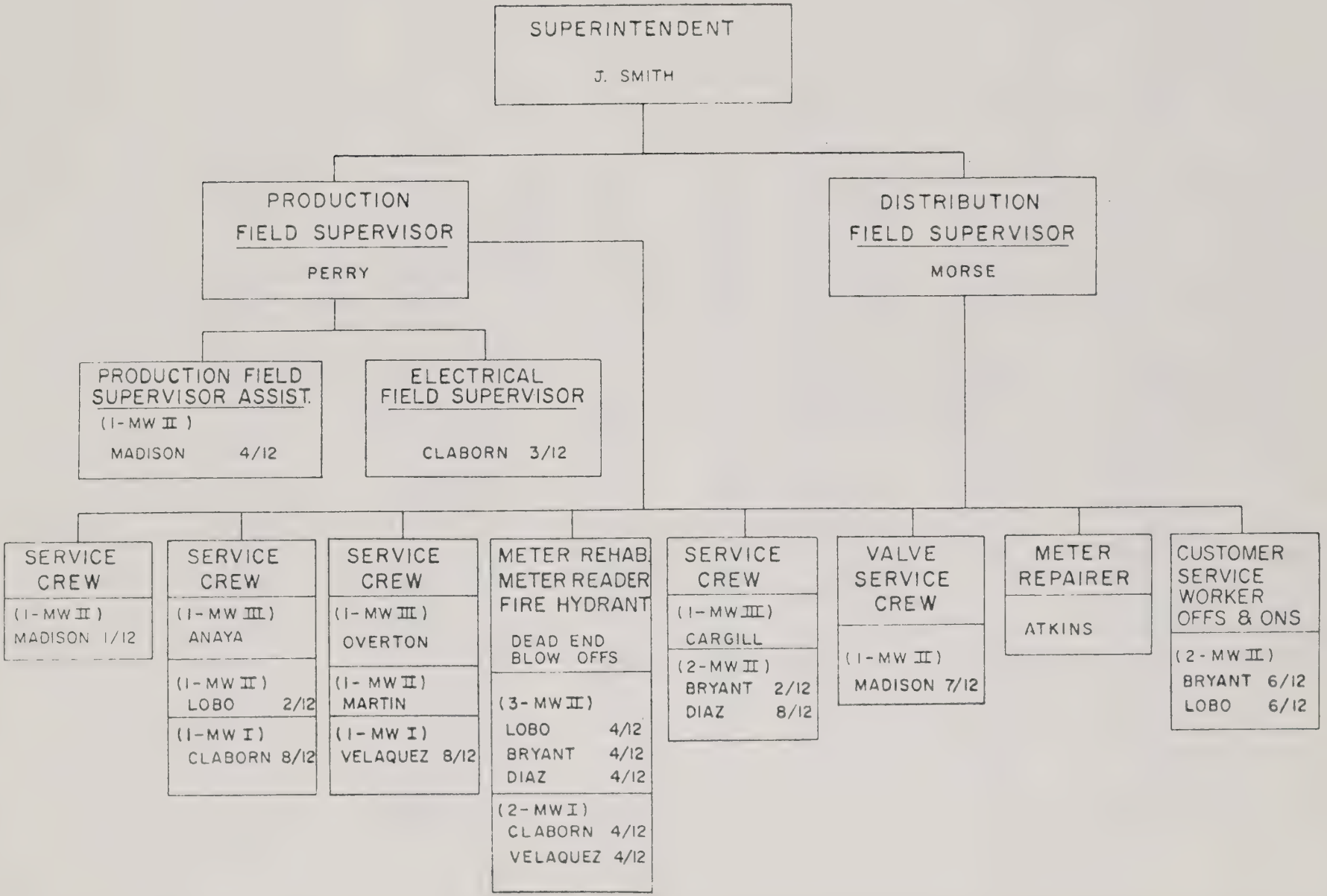

REDRAWN 8-8-79 MJH

# WATER DIVISION

## PUBLIC WORKS DEPARTMENT

## ORGANIZATION CHART

### EXISTING






RE-DRAWN 9-18-78 MK

A-204

## ENGINEERING, OPERATIONS & ADMINISTRATIVE STUDIES

### Standard Specifications & Standard Drawings

The Standard Specifications and Drawings are available through this office and have been updated and revised through this year. These specifications and drawings indicate typical approved methods and materials for all types of Public Works construction.

### Microfilm & Indexing System

On a continuing basis, all drawings, maps, specifications and photographs produced during the year are microfilmed, mounted on aperture cards and filed with all other documents and records.

### TOPICS Plan and Study Report for Santa Maria Urban Area - Implementation

This report which used uniformity of traffic control and traffic safety measures as criteria was completed in November 1973. The study identifies locations of greatest traffic congestion and relative accident frequency and also recommends remedial projects in priority of importance.

Of the eight locations recommended in the improvement plan, six are now complete, one is under construction and the last is programmed in the five year improvement plan.

The project now under construction is the installation of signals at Bradley and Stowell Road. Miller and Donovan signals are programmed in the five year program.

### Five Year Capital Improvement Program

Along with each of the other City departments, the Public Works Department developed recommendations for capital improvements deemed desirable over the next five years. This information, after coordination with other departments and comparison with our financing capabilities by the Administrator's office, resulted in the capital improvements program section of the current year's budget.

### Engineering Division Forms and Checklists

The Engineering Division has developed standardized forms to aid in the consideration and evaluation of subdivision maps and public improvement drawings. These standardized forms are evaluated and revised on a continuing basis throughout the year.

## Wastewater Treatment & Disposal Facilities

The Clean Water Grant (Step 2) for these City facilities proceeded through the design phase for the entire fiscal year. John Carollo Engineers, of Walnut Creek, California, by approved professional services agreement with the City Council dated November 15, 1977, has been performing this work. It is anticipated the project will be advertised for bids in late 1979 with construction to commence in early 1980. Completion is expected to occur in mid 1981.

The proposed project will maintain the secondary type treatment with land disposal of the effluent as it presently exists. The modification and enlargement will increase the treatment capacity from 5.0 MGD to 7.8 MGD.

## Residential Solid Waste Collection

After reviewing numerous entities and the type of equipment they employ in the collection of solid wastes from residential accounts, the Sanitation Division concluded to try a side loading piece of equipment. In order that the City not be obligated to keep this piece of equipment, a lease arrangement with option to purchase was felt most desirable so that in the event the trial did not prove favorable, the City would not be obligated to keep the piece of equipment. On the other hand, if the trial were favorable this piece of equipment would be purchased plus two other sideloaders since we are holding off replacement of two units until conclusion of the trial.

It is anticipated the trial will be complete in October 1979.

## Seven Million Gallon Water Reservoir

In January 1978, the City Council approved a professional services contract with James M. Montgomery Consulting Engineers of Pasadena, California, to design and prepare plans and specifications for this budgeted project. In June 1978 the Council awarded the bid to construct the project to Cushman Contracting Corporation of Santa Barbara, California, and work started in July 1978.

Completion of the project was essentially on schedule with the facility ready for operation in July 1979. The $1.2 million project, which was financed by revenue sharing and water fund revenues, went exceptionally smooth through its duration as witnessed by the fact that contract change orders amounted to 1% of the project cost.

For everyone involved in this project a "job well done" is certainly deserved.

## South Miller Street Extension

On November 25, 1974, the City and Santa Barbara County Department of Transportation entered into a cooperative agreement whereby the City and County would utilize their respective Federal Aid Urban (FAU) funds for the construction of this roadway between Stowell Road and the Orcutt Expressway approximately two miles. The agreement provided for the County to design, acquire right of way and construct the project.

Calendar year 1975 was essentially consumed in preliminary design. On October 29, 1975 the City Council approved an alternative alignment. On March 9, 1976, the Design and Location Public Hearing was held at which time the Environmental Impact Report was available for review.

During mid 1976, the County retained Cal-Trans to handle all right of way acquisition matters. This work and the final design continued into 1979.

It is anticipated the project will be advertised in late 1979 with construction to occur during the first half of 1980.

APPENDIX B

## Financial Information

| | F.Y. EXPENDITURES | | | | |
|---|---|---|---|---|---|
| UNCTION | Gen. Admin. & Billing | Operations | Capital Outlay | Bond Service | FUND SOURCE (S) |
| DMINISTRATION | | 131,711 | | | General 96,533<br>Water 14,574<br>Refuse-Coll. 9,580<br>Refuse-Disp. 2,071<br>Sewer 8,953 |
| UILDINGS | | 130,469 | | | General 90,306<br>Water 16,638<br>Refuse-Coll. 10,938<br>Refuse-Disp. 2,365<br>Sewer 10,222 |
| NGINEERING | | 284,315 | 8,002 | | General 201,787<br>Water 35,019<br>Refuse-Coll. 23,021<br>Refuse-Disp. 4,976<br>Sewer 21,514<br>Gas Tax 6,000 |
| TREETS | | 732,921 | 400,752 | | General 570,226<br>Gas Tax 563,447 |
| EWER | 9,258 | 50,639 | | 104,671 | Sewer 164,568 |
| WTP | 100,542 | 549,916 | 12,755 | | Sewer 663,213 |
| AN. COLLEC. | 117,490 | 655,901 | 13,201 | | Refuse-Coll. 786,592 |
| AN. DISP. | 25,400 | 133,724 | 2,835 | 41,925 | Refuse-Disp. 203,884 |
| RAINAGE | | 24,395 | 155 | | General 24,550 |
| ATER | 178,720 | 689,970 | 361,182 | 125,713 | Water 1,355,585 |
| ECH. SHOP | | 520,056 | 202,427 * | | Equipment 722,483 |
| ARKING DIST. | | 2,557 | | 20,925 | District 23,482 |
| TOWELL CENTER | | 11,210 | | | Maint. District 11,210 |
| ARKING AUTH. | | 108,191 | | 621,205 | General 729,396 |
| UBLIC TRANSIT | | 64,303 | 18,097 | | Gas Tax 82,400 |

NOTE: The above information should not be used as final audit figures, but are reasonably accurate for the purposes of this summary.

* The equipment replacement expenditure of $200,043 is included, and is funded through equipment pool rental program.

## PERSONNEL NOTES

The total permanent employees working in the Public Works Department during fiscal year July 1, 1978 to June 30, 1979 amounted to 89, which included all the divisions. During the same period 4 full time employees left City employment and were not replaced.

The number of positions vacated in the department as a result of employees that either retired or left the City for personal reasons consisted of the following:

| | | | |
|---|---|---|---|
| 1 - Superintendent | Bill Martins | Deceased | 4/25/79 |
| 1 - M.W. II | Raul Michel | Retired | 1/02/79 |
| 3 - M.W. III | Jim Overton | Left City | 4/13/79 |
| | Robert Ponce | Left City | 10/22/78 |
| | Brian Sword | Left City | 5/12/79 |
| 1 - M.W. I | Ken Moody | Left City | 7/01/78 |

The above constitutes a turnover rate of 4.4 for all employees; 1.1% retired and 4.4% who left for personal reasons.

During fiscal year the City was still participating in the Federally funded program, Comprehensive Employment & Training Act (C.E.T.A.). There were 18 individuals employed in this program for the fiscal year; however, as of June 30, 1979, 2 individuals in the C.E.T.A. program had become regular City employees by filling 1 vacancy occurring in the Buildings Division and 1 vacancy occurring in the Sanitation Division. The remaining C.E.T.A. employees continued to fill their one year training.

Summer programs were provided and training was carried out for a total of thirteen (13) Work Aides of primarily high school age young adults in the following areas:

| | |
|---|---|
| 2 | Buildings Division |
| 3 | Street Division |
| 4 | Water Division |
| 2 | Mechanical Maintenance |
| 2 | Wastewater Division |
| 13 | Total |

Eleven (11) employees worked in the Public Works Department under the Neighborhood Youth Corps Program, which is financially supported by State funds to provide work experience and financial aid.

| | |
|---|---|
| 4 | Buildings Division |
| 3 | Street Division |
| 2 | Sanitation Division |
| 2 | Mechanical Division |
| 11 | Total |

EMPLOYEE ROSTER

DIRECTOR OF PUBLIC WORKS
*Riddiough, Reese*

ADMINISTRATIVE DIVISION

PERSONNEL

*Albright, Kathy*
*Holling, Wendy*
* *Hogan, Betty*

ASSISTANT DIRECTOR OF PUBLIC WORKS-ENGINEERING

*McPherson, Lawrence*

PERSONNEL

*Diaz, Lino*
*Emberton, Raymond*
* *Hathorn, Mickie Jo*
*Kirkpatrick, Mike*
*Palato, Carman*
*Pantoja, Henry*
*Rios, Harold C. Jr.*
*Soares, Herbert*
*Ujano, Lorenzo*
*Wall, Robert*
*Zuspan, John*

ASSISTANT DIRECTOR OF PUBLIC WORKS/OPERATIONS

*Litzenberg, Wm. S.*

BUILDING DIVISION

SUPERINTENDENT

*Anderson, Norman*

PERSONNEL

** *Almaguer, Tony*
*Dayton, David*
*Johnson, Roy*
*Marsh, Harold*
* *Rivera, Florante*
** *Robinson, Robert*
** *Sanders, Scott*
** *Stockton, Loy*

WASTEWATER DIVISION

SUPERINTENDENT

*Middleton, Ben*

FIELD SUPERVISOR

*Jakobson, Russell*

PERSONNEL

*Dickerson, Ronald*
*Guerrero, Froyland*
*Ochoa, Raymond*
*Salazar, Leonard*
*Walker, Alan*
*Yeager, Edlebert*

## STREETS & SEWERS DIVISION

### SUPERINTENDENT

Williams, Bill

### SUPERVISOR

Claborn, Dale (Elect.)
Galvan, Tony (Streets)

### PERSONNEL

Arellanes, Raymond
Bogue, Manning
* Cadriel, Agustin
Cargill, John
* Castillo, Samuel
* Daniel, Glasel
* Hubbard, Barry
* Johnson, Aaron
Johnson, Robert
Moshier, Don
Nartatez, John
Olivera, Theodore
* Sauceda, Mike
Sword, Brian
Torres, Jesse
Ujano, Robert
Walker, William
* Watson, Marvin

## SANITATION DIVISION

### ACTING SUPERINTENDENT

Miranda, Pete

### ACTING FIELD SUPERVISOR

Montes, Albert

### PERSONNEL

Anaya, Ernest
Brown, Billy
Caballero, Richard
* Casarez, Robert
* Chavez, Michael
Coppess, Charles
Dutra, Gordon
** Escalante, Ed
** Escareno, Al
Garcia, Gilbert
** Hernandez, Ruben
Hernandez, Rudy
Kerr, Tommy
Knopf, Mike
Koch, Elmer
Lemos, Jesse
Limon, Arthur
Lopez, Silvestre
Michel, Raul
Moore, Sheryl
Morales, Tony
Ponce, Robert
Rojas, Richard
Sanchez, Gregory
Soto, Percy

## WATER DIVISION

### SUPERINTENDENT

Smith, Jesse

### SUPERVISOR

Morse, Carmel (Dist.)
Perry, Jim (Prod.)

### PERSONNEL

Anaya, Manuel
Atkins, Rodney
Bryant, Wayne
Cargill, Jim
Claborn, Ron
Diaz, Eddie
* Kimball, Brett
Lobo, Ronald
Madison, Melvin
Martin, Ernest
Overton, James
* Vasquez, Henry
Velasquez, Dario

## MECHANICAL MAINTENANCE DIVISION

### SUPERINTENDENT

Ramirez, Hank

### SUPERVISOR

Merino, George

### PERSONNEL

Azcarate, Larry
Bawden, Frederick
Bracamonte, Daniel
Corral, Charlie
* Elisan, Francis
* Ellis, Gail
Martin, Jerry
Walters, Delbert
West, Millard
Williams, Larry
Wolf, Marcelino

* CETA Employee

** Part Time

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